In the Claims

Applicants have submitted a new complete claim set showing marked up claims with insertions indicated by underlining and deletions indicated by strikeouts and/or double bracketing.

Please rewrite the claims as shown below.

1. (Currently amended) An optical/electrical conversion element comprising an optical/electrical conversion layer formed by an assembly of:

a light-absorbing dendrimer structure operating as an electron donor; and

fine metal particles operating as an electron receptor.

2. (Original) The optical/electrical conversion element according to claim 1 wherein said dendrimer structure is bonded to said fine metal particles on a surface.

3. (Original) The optical/electrical conversion element according to claim 2 wherein said dendrimer structure includes a disulfide group taking part in said binding on a surface.

4. (Currently amended) The optical/electrical conversion element according to claim 1 wherein said dendrimer structure includes molecules [[of]] or groups of atoms exhibiting light absorption properties.

5. (Currently amended) The optical/electrical conversion element according to claim 4 wherein said molecules [[of]] or groups of atoms exhibiting light absorption properties comprise a porphyrin structure or a phthalocyanine structure.

6. (Original) The optical/electrical conversion element according to claim 1 wherein said fine metal particles are of a nano-order particle size.

7. (Currently amended) The optical/electrical conversion element according to claim 1 wherein said [[fme]] fine metal particles are of at least one metal selected from the group consisting of gold, platinum, palladium and silver.

8. (Currently amended) The optical/electrical conversion element according to claim 1 wherein said optical/electrical conversion layer and [[the]] an electrolyte layer are layered between a pair of electrode layers.

9. (Currently amended) A method for producing an optical/electrical conversion element comprising an optical/electrical conversion layer formed by an assembly of:

a light-absorbing dendrimer structure operating as an electron donor; and

fine metal particles operating as an electron receptor[[,]];

the method comprising:

forming the optical/electrical conversion layer by collecting said dendrimer structure [[operating]] and said fine metal particles.

10. (Currently amended) The method for producing an optical/electrical conversion element according to claim 9 wherein: [[comprising]]

a step of depositing said fine metal particles on an electrode layer and a step of depositing said dendrimer structure are carried out sequentially at least once.

11. (Currently amended) The method for producing an optical/electrical conversion element according to claim 10 further comprising:

a step of depositing said fine metal particles and said dendrimer structure after introducing functional groups, that may be bonded to said fine metal particles, on [[the]] a surface of a [[said]] substrate.

12. (Currently amended) The method for producing an optical/electrical conversion element according to claim 9 wherein said dendrimer structure is bonded to said fine metal particles on [[the]] a surface of the optical/electrical conversion element.

13. (Currently amended) The method for producing an optical/electrical conversion element according to claim 9 wherein said dendrimer structure of the optical/electrical conversion element includes a disulfide group taking part in [[the]] bonding on [[the]] a surface thereof.

14. (Currently amended) The method for producing an optical/electrical conversion element according to claim 9 wherein said dendrimer structure of the optical/electrical conversion element includes light-absorbing molecules or groups of atoms on [[the]] a surface thereof.

15. (Original) The method for producing an optical/electrical conversion element according to claim 14 wherein said light-absorbing molecules or groups of atoms of the optical/electrical conversion element include a porphyrin structure or a phthalocyanine structure.

16. (Currently amended) The method for producing an optical/electrical conversion element according to claim 9 wherein the fine metal particles of the optical/electrical conversion element [[has]] are of a nano-order particle size.

17. (Original) The method for producing an optical/electrical conversion element according to claim 9 wherein the fine metal particles of the optical/electrical conversion element are fine metal particles of at least one metal selected from a group consisting of gold, platinum and palladium.

18. (Currently amended) The method for producing an optical/electrical conversion element according to claim 9 wherein the optical/electrical conversion element is composed of a pair of electrode layers and a layered set of the optical electrical conversion layer and [[the]] an electrolyte layer arranged therebetween.

19. (Original) An optical sensor employing, as a charge separating layer, an optical/electrical conversion element composed of a set of a light absorbing dendrimer structure operating as an electron donor and fine metal particles operating as an electron receptor.

20. (Currently amended) The optical sensor according to claim 19 wherein said dendrimer structure of the optical/electrical conversion element is bonded to said fine metal particles on [[the]] a surface thereof.

21. (Currently amended) The optical sensor according to claim 19 wherein said dendrimer structure of the optical/electrical conversion element has a disulfide group taking part in [[said]] bonding on [[the]] a surface thereof.

22. (Original) The optical sensor according to claim 19 wherein said dendrimer structure of the optical/electrical conversion element has molecules or a group of atoms exhibiting light absorbing properties.

23. (Currently amended) The optical sensor according to claim 22 wherein said molecules or [[a]] group of atoms exhibiting light absorbing properties of the optical/[[electhcal]] electrical conversion element are of a porphyrin structure or a phthalocyanine structure.

24. (Currently amended) The optical sensor according to claim 19 wherein said fine metal particles of the optical/electrical conversion element are of a nano-order particle size.

25. (Original) The optical sensor according to claim 19 wherein said fine metal particles of the optical/electrical conversion element are fine particles of at least one metal selected from the group consisting of gold, platinum and palladium.

26. (Currently amended) The optical sensor according to claim [[9]] 19 wherein said dendrimer structure of the optical/electrical conversion element includes a disulfide group taking part in [[the]] bonding on [[the]] a surface thereof.

26. (Canceled)

27. (Currently amended) A solar battery comprising an optical/electrical conversion element including an optical/electrical conversion layer formed by an assembly of a light-absorbing dendrimer structure operating as an electron donor and fine metal particles operating as an electron receptor[[,]].

28. (Original) The solar battery according to claim 27 wherein said dendrimer structure of the optical/electrical conversion element is bound to said fine metal particles on a surface.

29. (Currently amended) The solar battery according to claim 27 wherein said dendrimer structure of the optical/electrical conversion element includes a disulfide group taking part in [[said]] bonding on [[the]] a surface thereof.

30. (Currently amended) The solar battery according to claim 27 wherein said dendrimer structure of the optical/electrical conversion element includes molecules [[of]] or groups of atoms exhibiting light absorption properties.

31. (Currently amended) The solar battery according to claim 27 wherein said molecules [[of]] or groups of atoms exhibiting light absorption properties in the optical/electrical conversion element comprise a porphyrin structure or a phthalocyanine structure.

32. (Original) The solar battery according to claim 27 wherein said fine metal particles of the optical/electrical conversion element are of a nano-order particle size.

33. (Original) The solar battery according to claim 27 wherein said fine metal particles of the optical/electrical conversion element are of at least one metal selected from the group consisting of gold, platinum, palladium and silver.

34. (Currently amended) The solar battery according to claim 27 wherein said optical/electrical conversion layer and [[the]] an electrolyte layer of the optical/electrical conversion element are layered between a pair of electrode layers.

35. (New) The optical sensor according to claim 19 wherein said optical/electrical conversion element and an electrolyte layer are layered between a pair of electrode layers.